

Converting Colors

CIELCh(71, 66.115, 76.027)

Have a look what the booklet for
CIELCh(71, 66.115, 76.027) contains.

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Color

CIELCh(71, 66.086, 76.061)

Conversions

Conversions Part 1

Format	Color
Hex	E5A131
RGB	229, 161, 49
RGB Percent	90%, 63%, 19%
CMY	0.1035, 0.3699, 0.8092
CMYK	0.00, 0.30, 0.79, 0.10
HSL	37°, 77%, 54%
HSV	37°, 79%, 90%
XYZ	45.4245, 42.1875, 8.6148
YIQ	168.5640, 76.4800, -20.4160

Conversions

Conversions Part 2

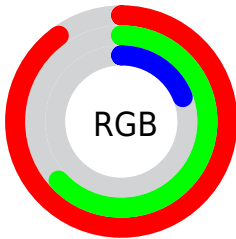
Format	Color
R _Y B	158, 229, 49
Decimal	15049009
CIE Lab	71.00, 15.92, 64.14
CIE LCh	71, 66.086, 76.061
Yxy	42.1875, 0.4721, 0.4384
Android (android.graphics.Color)	4293239089 (0xFFE5A131)
YUV	168.5640, -58.9451, 53.0024
Hunter-Lab	64.9519, 11.1691, 37.6025

Details

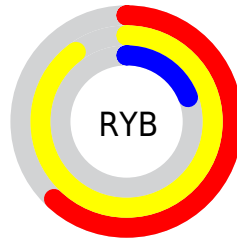
The CIELCh color **71, 66.086, 76.061** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **51, 65.536, 286.304**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 59.160, 89.027**, and **51, 60.359, 74.748** is the 20% darker color. If you saturate the color by 10%, you get **69, 72.070, 73.970**, and if you desaturate by 10%, it is **73, 58.437, 77.814**.

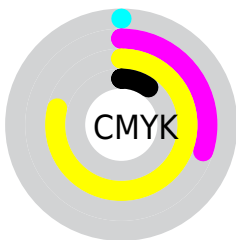
Distribution



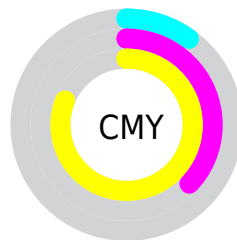
- Red (90%)
- Green (63%)
- Blue (19%)



- Red (62%)
- Yellow (90%)
- Blue (19%)



- Cyan (0%)
- Magenta (30%)
- Yellow (79%)
- Black (10%)



- Cyan (10%)
- Magenta (37%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 66.086, 76.061 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 71, 66.086, 76.061 by changing the saturation by 10% instead.

71, 66.086, 76.061

71, 66.086, 76.061

100, 66.086,
76.061

61, 66.086, 76.061

91, 66.086, 76.061

51, 66.086, 76.061

41, 66.086, 76.061

31, 66.086, 76.061

21, 66.086, 76.061

11, 66.086, 76.061

1, 66.086, 76.061

0, 66.086, 76.061

71, 66.086, 76.061

71, 66.086, 76.061

69, 72.070, 73.970

73, 58.437, 77.814

67, 75.670, 71.342

76, 49.958, 79.386

67, 76.077, 71.002

78, 41.177, 80.864

81, 32.382, 82.286

83, 23.719, 83.666

86, 15.252, 85.004

88, 7.005, 86.285

91, 1.023, 267.884

94, 8.841, 268.834

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71, 66.086, 76.061



51, 65.536, 286.304

Rectangle

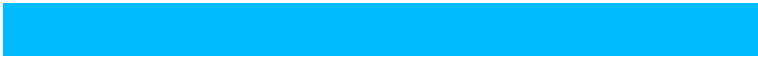
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 66.086, 76.061



71, 66.086, 126.061



71, 66.086, 256.061



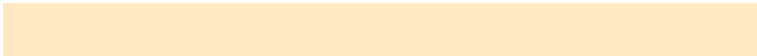
71, 66.086, 306.061

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



71, 66.085, 76.064



93, 21.522, 84.284



52, 71.009, 4.338



49, 14.857, 83.801



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71, 66.085, 76.064



75, 80.824, 72.489



87, 82.371, 109.600



47, 4.580, 86.194



53, 63.187, 71.573



14, 21.566, 73.979

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51, 65.536, 286.304



49, 86.815, 292.455



36, 105.541, 305.012



45, 4.556, 268.731



32, 69.379, 293.836



6, 24.060, 285.472

Previews

White Background



This preview shows how the CIELCh color 71, 66.086, 76.061 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 71, 66.086, 76.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 66.086, 76.061

Background



This preview shows how black text looks on a background with the CIELCh color 71, 66.086, 76.061.



This preview shows how white text looks on a background with the CIELCh color 71, 66.086, 76.061.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

71, 66.086, 76.061

Protanopia

71, 62.207, 95.669

Deuteranopia

71, 65.013, 81.676



Tritanopia
71, 34.171, 12.953

Trichromacy



Original Color
71, 66.086, 76.061

Protanomaly
71, 62.523, 88.456

Deuteranomaly
71, 65.024, 79.533

Tritanomaly
71, 39.567, 49.176

Monochromacy



Original Color
71, 66.086, 76.061

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 24.339, 82.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 66.086, 76.061 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(229, 161, 49)` looks like.

```
.text, #text, p{  
    color:rgb(229, 161, 49)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(229, 161, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 161, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 66.086, 76.061 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 161, 49) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(229, 161, 49) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(229, 161, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 161, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 161, 49);  
box-shadow:4px 4px 4px 4px rgb(229, 161,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 66.086, 76.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 161, 49) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(229,  
161, 49) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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